

Title (en)

Assembly aid for a fastening device, in particular for hose and pipe couplings

Title (de)

Montagehilfe für eine Befestigungsvorrichtung, insbesondere für Schlauch- oder Rohranschlüsse

Title (fr)

Dispositif pour faciliter le montage d' un dispositif de fixation notamment pour raccords de tuyaux ou tubes

Publication

EP 0976958 B1 20031029 (DE)

Application

EP 99114797 A 19990728

Priority

DE 19834003 A 19980729

Abstract (en)

[origin: EP0976958A2] On the projection unit (26) a locking unit (34) can be pushed from the inside. Devices (62) are provided for support on the basic body; bracing bodies (64,65) produce a positive engagement and/or forced locking connection with the locking unit. Components (66,68,70) available for displacement of the bracing bodies produce a positive engagement and/or forced locking connection. The components for displacement of the locking unit are formed as a mechanical lever system or pneumatic or hydraulic or electrical displacement system. The installation aid (60) is formed as a tongs device, which has two hand grips (70) connected via a joint. A longitudinally displaceable thrust component (66) is connected to the hand grip components via two elbow lever components (68).

IPC 1-7

F16L 5/00; **F16L 37/00**; **F16L 41/08**; **B23P 19/04**; **B25B 27/00**; **B21D 39/20**; **B21D 41/02**

IPC 8 full level

B21D 39/20 (2006.01); **B21D 41/02** (2006.01); **B23P 19/04** (2006.01); **B25B 27/00** (2006.01); **F16L 5/00** (2006.01); **F16L 37/00** (2006.01); **F16L 41/08** (2006.01)

CPC (source: EP)

B25B 27/10 (2013.01); **F16L 5/00** (2013.01); **F16L 25/0045** (2013.01)

Cited by

CN109434429A; CN110899525A; CN112895407A; CN108006349A; DE202021106226U1; DE202013002485U1; WO2011009439A3; DE202009010452U1; WO2011009439A2

Designated contracting state (EPC)

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